

# PATENT COOPERATION TREATY

# PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>HM/5-22928</b>	<b>FOR FURTHER ACTION</b> <small>see Form PCT/ISA/220 as well as, where applicable, item 5 below.</small>	
International application No. <b>PCT/EP2004/051533</b>	International filing date (day/month/year) <b>19/07/2004</b>	(Earliest) Priority Date (day/month/year) <b>29/07/2003</b>
Applicant  <b>CIBA SPECIALTY CHEMICALS HOLDING INC.</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 05 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

**1. Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/051533

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07C255/41 A61K7/48 A61K31/277 A61L2/16 C11D3/26  
C11D7/32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07C A61K A61L C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BEILSTEIN Data, CHEM ABS Data, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE CROSSFIRE BEILSTEIN 'Online! Beilstein Institut zur Förderung der Chemischen Wissenschaften, Frankfurt am Main, DE; XP002266649 retrieved from XFIRE Database accession no. BRN 6212398, 6212566 abstract &amp; POL J CHEM, vol. 56, no. 10-12, 1982, pages 1325-1331, ----- -/--</p>	1

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\* & \* document member of the same patent family

Date of the actual completion of the international search

18 October 2004

Date of mailing of the international search report

28/10/2004

Name and mailing address of the ISA

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International Application No

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>DATABASE CA 'Online!  CHEMICAL ABSTRACTS SERVICE, COLUMBUS,  OHIO, US;  KOBAYASHI, TOSHIAKI ET AL: "Acylation of  active methylene compounds via  palladium-complex- catalyzed carbonylative  cross-coupling of organic halides"  XP002266650  retrieved from STN  Database accession no. 107:58603 CA  see rn: 91024-55-4  abstract  &amp; TETRAHEDRON LETTERS (1986), 27(39),  4745-8, 1986,</p>	1
X	<p>DATABASE CA 'Online!  CHEMICAL ABSTRACTS SERVICE, COLUMBUS,  OHIO, US;  GAZIT, AVIV ET AL: "Tyrphostins. II.  Heterocyclic and.alpha.-substituted  benzylidenemalononitrile tyrphostins as  potent inhibitors of EGF receptor and  ErbB2/neu tyrosine kinases"  XP002266651  retrieved from STN  Database accession no. 115:8663 CA  see rn: 133550-20-6  abstract  &amp; JOURNAL OF MEDICINAL CHEMISTRY (1991),  34(6), 1896-907, 1991,</p>	1,2
X	<p>DATABASE CA 'Online!  CHEMICAL ABSTRACTS SERVICE, COLUMBUS,  OHIO, US;  JALANDER, LARS F.: "Vinyllic nonionic  substitutions of ethyl (E)- and  (Z)-3-chloro-2-cyano-3-phenylpropenoate by  alcohols"  XP002266652  retrieved from STN  Database accession no. 120:244264 CA  see rn: 154283-80-4  abstract  &amp; SYNTHETIC COMMUNICATIONS (1993),  23(16), 2293-302, 1993,</p> <p style="text-align: center;">-----  -/--</p>	1

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 International Application No  
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; MOREL, GEORGES ET AL: "Vinyl.alpha.-phenylphosphonates.beta.-sub stituted by two electron-attracting groups: Preparation and reactivity toward various nucleophiles" XP002266653 retrieved from STN Database accession no. 85:21548 CA see rn: 59551-61-0, 59551-62-1 abstract & BULLETIN DE LA SOCIETE CHIMIQUE DE FRANCE (1976), (1-2, PT. 2), 177-83, 1976, -----	1
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; SAITO, KOJI ET AL: "A one-step synthesis of thiophene derivatives" XP002266654 retrieved from STN Database accession no. 98:125798 CA see rn: 85092-75-7 abstract & SYNTHESIS (1982), (12), 1056-9, 1982, -----	1
A	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; WANG, FENGYUN ET AL: "2-Cyano-3-substituted phenylacrylate synthesis and application as disinfectant of agricultural crops" XP002266655 retrieved from STN Database accession no. 138:89583 CA abstract & CN 1 317 483 A (JIANGSU INST. OF AGRICULTURAL CHEMICALS, PEOP. REP. CHINA) 17 October 2001 (2001-10-17) -----	1-10

# INTERNATIONAL SEARCH REPORT

### Information on patent family members

International Application No

PCT/EP2004/051533

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
CN 1317483	A	17-10-2001	NONE